



## **TSMP** **Supporters**



# **TDOT's New Traffic Signal Modernization Program**

## **Grant Application**

This grant is associated with the Traffic Signal Modernization Program (TSMP), which is a Tennessee Department of Transportation (TDOT) pilot program designed to help communities and their local traffic signal maintaining agencies modernize existing traffic signal equipment and operations. The program is being implemented through this grant application process, currently 100% state funded and state contracted, with the goal to begin traffic signal upgrades within 12 months of project selection. Grant funds are capped at \$250,000.00.

### **Eligible TSMP Items:**

- Controller
- Controller Cabinet
- Cabinet Equipment
- Signal Head/Beacon
- Signal Head Backplates
- Supplemental Signal Head
- Timing Optimization Plan
- Stop Bar Detection
- Advance Detection
- Pedestrian Signal
- Pedestrian Push Button

### **What are some expected benefits to modernizing your traffic signal items?**

#### Reduction in crashes (est. percentage of crash reduction)

- Controller/cabinet upgrade: 30% crash reduction
- Signal timings coordination: 32% crash reduction
- Supplemental signal heads: 28% crash reduction
- Detection upgrade: 20% crash reduction
- Advance signal ahead warning devices: 22% crash reduction

#### Other expected benefits include:

- Reduction in traffic congestion
- Increased reliability in detecting vehicles
- Improved traffic signal visibility
- Savings in energy efficiency
- Reduction in maintenance costs
- Automated collection of traffic count data

### **Grant Application Deadline:**

Traffic Signal Modernization Grant Application must be emailed by Wednesday, November 20, 2019 to [TDOT.TrafficOps@tn.gov](mailto:TDOT.TrafficOps@tn.gov) with the subject line "Traffic Signal Modernization Grant". For questions regarding this grant, please contact Steve Bryan at [Steve.Bryan@tn.gov](mailto:Steve.Bryan@tn.gov).